

POWER STATION pe4004

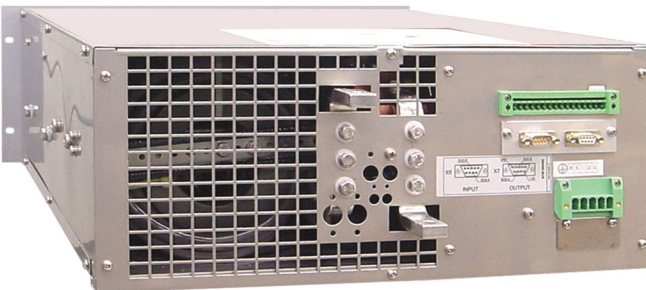
Output power: 800 - 6000 Watts
DC current: 200 - 600 A (max. 600 A / 8 V)
DC voltage: 4 - 30 V (max. 1000 V / 5 A)

Typical applications:
 Precious metal plating Laboratory plating lines
 PCB lines Manual plating lines

DC power supply in switch mode technology, designed for use in electroplating.



POWER STATION pe4004, front view



POWER STATION pe4004, back view

Characteristic values

Linearity inaccuracy < 1 %
 Ripple less than < 1 %
 Efficiency typical > 85 %
 Powerfactor $\cos \varphi$ 0,95
 Constant current and voltage control
 Soft start function
 Over temperature protection
 Current and voltage preset
 Precise current and voltage settings via 10-turn potentiometer (270° or other on request)
 Internal shunt with 60 mV at I_{nenn}
 Mains supply: standard 3 x 400 V +/- 10 % / 50-60 Hz without N (other voltages on request)

Cooling

Optimized cooling air guiding, air consumption max. 360m³/h
 Cooling air outlet in front panel (turned air flow on request)
 Ambient temperature 35°C (other on request)

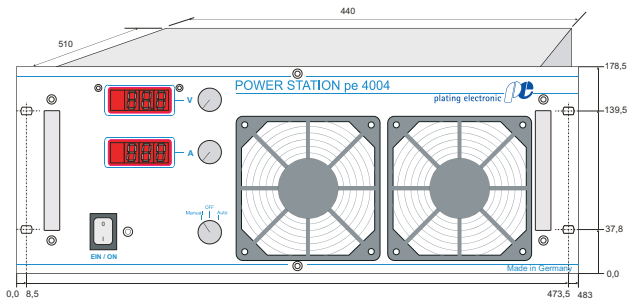
Design

Protection grade IP20
 Stainless steel casing, anodized aluminium front panel
 DC connection in back panel
 Easy installation

EMV: EN50011 class A, group B ; EN61000-6-4 and EN61000-6-2;
 CE-conformity low voltage guide line: EN50178

Values	Standard sizes - DC output ¹										¹ other sizes on request		
	600 A				500 A	400 A	350 A	300 A		250 A	200 A	5 A	
DC current	4 V	5 V	6 V	8 V	10 V	12 V	15 V	18 V	20 V	24 V	30 V	1000 V	
DC voltage													
Mains supply	3 x 400 V AC												
Weight	approx. 22 kg												

Standard dimensions



Control

Analog signals Iset, Uset, Iact, Uact = 0-10 V

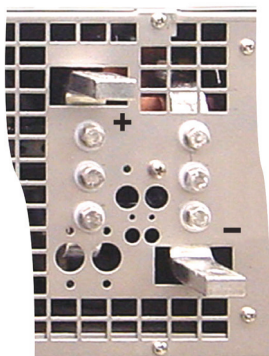
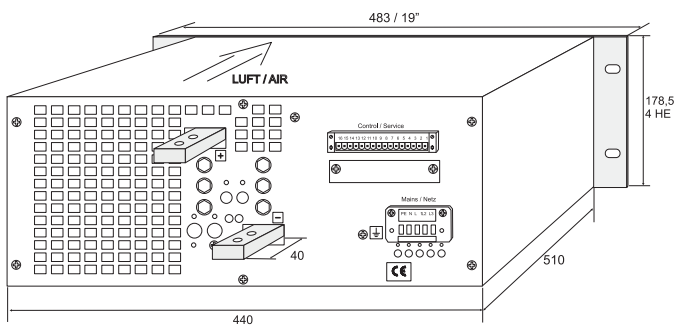
Control optional available

Analog signals galvanically isolated via isolation amplifier:
0-10V, 4-20mA, 0-20mA (other on request), X4-terminal

Serial interface RS485: X6 and X7 terminal

Optional available

Separate electronic controlled pole changer



DC output bus bars

DC output bus bars

Tin-coated copper bars

Size, location and design of the DC output bus bars may differ from the standard

Technical equipment, design and features: subject to change! For further information please contact plating electronic GmbH.